

Bore Hole No	Location		Diameter of Borehole	Date of Commencement		Date of completion				
	Latitude	Longitude								
1	9°07'16.4"N	79°29'31.4"E	100mm	10-2-05		11-2-05				
Depth below GL	Visual soil description		Depth	Type	No	Penetration (cm)				
						15	30	45	60	N
0.0 - 1.5	Grey fine sand		1.5	SPT		2	4	5	-	9
1.5 - 3.0	Grey fine sand		3.0	SPT		3	6	6	-	12
3.0 - 4.5	Grey silty fine sand		4.5	SPT		5	6	7	-	13
4.5 - 6.0	Grey silty fine sand		6.0	SPT		9	16	25	-	41
6.0 - 7.5	Greyish ash coloured silty fine sand		7.5	SPT		12	20	31	-	51
7.5 - 9.0	Grey silty clay with pieces of calcareous sand stone		9.0	SPT		16	10	9	-	19
9.0 - 10.5	Grey silty clay with pieces of calcareous sand stone		10.5	SPT		10	12	12	-	24
10.5 - 12.0	Crushed pieces of rocks and calcareous sand stone		12.0	SPT		For 6cm penetration 50 blows rock from 12m depth below ground level bore hole terminated at 12 m				
						15	30	45	60	N
12.0 - 13.5	Silty fine sand		13.5	SPT		5	5	5	-	13
13.5 - 15.0	Fine sand with white colour small stones (may be coral bed)		15.0	SPT		21	30	56	-	86
15.0 - 16.5	Fine silty sand with one or two stones.		16.5	SPT		20	40	40	-	86
16.5 - 18.0	Fine silty sand (Greyish in colour)		18.0	SPT		15	For 22cm penetration			100
18.0 - 19.5	Silty fine sand		18.0	SPT		9	12	16	-	28
19.5 - 21.0	Silty fine sand		21.0	SPT		18	19	21	-	40

NOTE: THE DATA IS BASED ON NOT FINAL REPORT - TBC 2005

REPORT NO:
RP 004 (A)

PROJECT NO:	PROJECT NO:	
SETHUSAMUDRAM SHIP CHANNEL PROJECT - DPR & EVALUATION OF EIA	C1041202	
TITLE:	DATE: 10-02-05	
BORELOG - 1 AT ADAM'S BRIDGE		HOLD BY:
 L & T RAMBOLL CONSULTING ENGINEERS LIMITED		FIGURE NO:
		FD0511
		REV:

THIS DATA IS BASED ON HOT FINAL REPORT - JULY 2005.

		PROJECT NO: RP 004 (A)			
		PROJECT NO: C1041202			
TITLE: BORELOG - 1 AT ADAM'S BRIDGE		DATE: 18-03-05 PAGE: 59			
		L&T-RAMBOLL CONSULTING ENGINEERS LIMITED			
FIGURE NO: FD0511		REV: 0			

Bore Hole No	Location		Diameter of Borehole	Date of Commencement		Date of completion				
	Latitude	Longitude								
2	7°07'29.50"N	79°29'15.30"E	100-mm	10-2-05		11-2-05				
Depth below GL	Visual soil description		Depth	Type	No	Penetration (cm)				
						14	30	45	60	N
0.0 - 1.5	Fine sand		1.5	SPT		14	15	21	-	36
1.5 - 3.0	Grey silty fine sand		3.0	SPT		12	18	28		46
3.0 - 4.5	Grey silty fine sand		4.5	SPT		14	23	31	-	54
4.5 - 6.0	Grey silty fine sand		6.0	SPT		18	24	32	-	56
6.0 - 7.5	Grey colour silty fine sand calcareous?		7.5	SPT		22	26	33	-	59
7.5 - 9.0	Grey colour silty fine sand calcareous?		9.0	SPT		20	25	29	-	54
9.0 - 10.5	Grey silty clay with pieces of calcareous sand stone		10.5	SPT		10	7	9	-	16
10.5 - 12.0	Grey silty clay with pieces of calcareous sand stone		12.0	SPT		8	10	11	-	21
12.0 - 13.0	Pieces of rocks and pebbles to calcareous sand stones		13.0	DES		15cm core recovered core				
13.0 - 13.5	Coral bed (White to grey in colour)		13.5	Core		1 - 11 - 1m depth.				
13.5 - 14.5	Silty fine sand (grey to ash colour)		14.5	SPT		13	16	18	-	34
14.5 - 16.0	Silty fine sand (Ash colour)		16.0	SPT		15	19	21	-	40
16.0 - 17.0	Sand stone/coral bed at 1.0 m depth from core recovery = 34cm.		16.0 to 17.0 m from GL.							
17.0 - 18.0	Fine sand with coral bed / sand stone		50 holes for 10cm penetration							
18.0 - 19.0	Fine sand with coral bed / sand stone pieces.		21-32 pieces at 1.5m depth							
19.0 - 21.0	Silty fine sand		21.0	SPT		14	23	26	-	49

Note: All data is based on first trial report - Feb 2005.

REPORT NO:
RP 004 (A)

PROJECT MANAGER OR TECHNICAL COORDINATOR NAME DESIGNATION TITLE	PROJECT- SETHUSAMUDRAM SHIP CHANNEL PROJECT - DPR & EVALUATION OF EIA		PROJECT NO- C1041202
	TITLE BORELOG - 2 AT ADAM'S BRIDGE		DATE: 11-02-05 MADE: SR
	L&T-RAMBOLL CONSULTING ENGINEERS LIMITED		FIGURE NO. FD0512 REV. 0

Bore Hole No	Location		Diameter of Borehole	Date of Commencement		Date of completion					
	Latitude	Longitude		7-2-05		8-2-05					
4	9°17.875'N	79°29.069'E	100mm								
Depth below GL	Visual soil description		Depth	Type	No	Penetration (cm)					
						15	30	45	60	N	15
0.00 - 1.5	Medium to fine grained olive grey sand		1.5	SPT		3	6	10	-		15
1.5 - 3.0	Medium to fine grained calcareous sand		3.0	SPT		5	9	13	-		22
3.0 - 4.5	Medium to coarse sand with shell pieces somewhat calcareous		4.5	SPT		8	14	21	-		35
4.5 - 6.0	Medium to fine sand with minor pieces of calcareous rocks		6.0	SPT		12	20	29			49
6.0 - 7.5	Medium to fine sand with minor pieces of calcareous rocks		7.5	SPT		12	22	35	-		57
7.5 - 9.0	Medium to fine grained sand, appears calcareous		9.0	SPT		16	30	46	-		76
9.0 - 10.5	Olive grey clay to silt with hard calcareous sand stones with shells		10.5	SPT		3	4	5	-		9
10.5 - 12.0	Olive grey clay to silt with hard calcareous sand stones with shells		12	SPT		6	5	5	-		10
12.0 - 13.5	Semi plastic silty calcareous clay with shell and pieces of sand stone		13.5	SPT		11	13	15	-		26
13.5 - 15.0	Dense calcareous silty sand to sandy silt		15.0	SPT		16	28	27	-		55
15.0 - 16.5	Ash coloured silty sand		16.5	SPT		14	18	20	-		38
16.5 - 18.0	Grey calcareous silty fine sand		18.0	SPT		15	19	34	-		43
18.0 - 19.5	Grey calcareous silty fine sand		19.5	SPT		19	24	26	-		50
19.5 - 21.0	Grey calcareous silty fine sand		21.0	SPT		24	30	36	-		66
Bore hole terminated in a depth of 21 m below GL											

NOTE: DATA IS BASED ON PRE-TEST REPORT - PER 2005.

Project No:	RP 004 (A)
Project Name:	SETHUSAMUDRAM SHIP CHANNEL PROJECT - DPR & EVALUATION OF EIA
Project No:	C1041202
Title:	BORELOG - 4 AT ADAM'S BRIDGE
Date:	16-02-05
Page No:	1
L & T RAMBOLL CONSULTING ENGINEERS LIMITED	REPORT NO: FD0513 REV: 0
	

Bore Hole No.	Location		Depth of Bore hole drilled		Depth of water column	Date of Commencement		Date of completion	
	Latitude	Longitude							
1.1	79°26'46.00"N	09°09'03.4"E	24m		2.5m	5-2-05		8-2-05	
Depth below GL	Visual soil description		Depth	Type	No	Penetration (cm)			
0 - 1.5	Fine to medium calcareous sand		1.50	SPT	9	10	20	45	60
1.5 - 3.0	Medium to coarse calcareous sand with dark minerals		3.00	SPT	12	23	27	-	30
3.0 - 4.5	Medium to fine calcareous sand		3.00	UDS (slipped) SPT	11	13	17	-	30
4.5 - 6.0	Medium grained grey sand with minor sand rock pieces		6.00	SPT	12	16	25	-	41
6.0 - 7.5	Olive grey calcareous sand Borehole collapsed and re-drilling carried out		7.5	SPT	16	20	22	-	42
7.5 - 9.0	Calcareous fine sand with minor shells		9.0	SPT	18	20	25	-	45
9.0 - 10.5	Grey coloured calcareous sand with shell pieces along with rounded pieces of calcareous rock		10.5	SPT	5	4	5	-	9
10.5 - 12.5	Olive grey sticky clay with pieces of calcareous sand stones, rounded to pebbly less than 2 mm dia								
12.5 - 13.5	Calcareous mud? With round pebbles of calcareous sand stones		12.5	SPT	5	5	6	-	11
13.5 - 15.0	Light grey to cement grey calcareous sand with pieces of calcareous sand stones		15.00	SPT	10	15	20	-	35
15.0 - 16.5	Calcareous clayey sand with calcareous sand stones		16.5	SPT	12	16	20	-	36
16.5 - 18.0	Grey to reddish, plastic, sticky calcareous silt to fine sand		18.0	SPT	20	25	30	-	55
18.0 - 19.5	Olive grey semi plastic stiff to sticky calcareous clayey silt		19.5	SPT	29	50	50	-	100
19.5 - 21.0	Olive grey semi plastic stiff to sticky calcareous clayey silt but more plastic		21.0	SPT	60	50	50	-	100
21.0 - 22.5	Light coloured somewhat dense sticky calcareous clayey silt		22.5	SPT	18	30	25	-	45
22.5 - 24.0	Light coloured dense sticky calcareous clayey silt. The borehole was closed at 24.00m below GL on 8-2-05		24.0	SPT	20	22	30	-	52

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REPORT NO:
RP 004 (A)

 PROJECT NO: C1041202	PROJECT: SETHUSAMUDRAM SHIP CHANNEL PROJECT - DPR & EVALUATION OF EIA TITLE: BORELOG - 11 AT ADAM'S BRIDGE	DATE: 18-02-05 PAGE: 59
 L&T-RAMBOLL CONSULTING ENGINEERS LIMITED	FIGURE NO: FD0514	REV: 0